

FIG. 1

FIG. 2 is a block diagram of a system architecture for a Web/HTTP Server. The system includes a Customer Application (202) which contains a Client API (204) and HTML Servlets (206). The Customer Application (202) is connected to a Web/HTTP Server (210). The Web/HTTP Server (210) is connected to a Browser (218). The Web/HTTP Server (210) is also connected to a Server (200). The Server (200) contains an Application Server / Servlet Engine (216), a Database (214), and an HTTP Server (212). The Server (200) is labeled as OS - NT, LINUX, Solaris. The Server (200) is also labeled as Servlets (208).

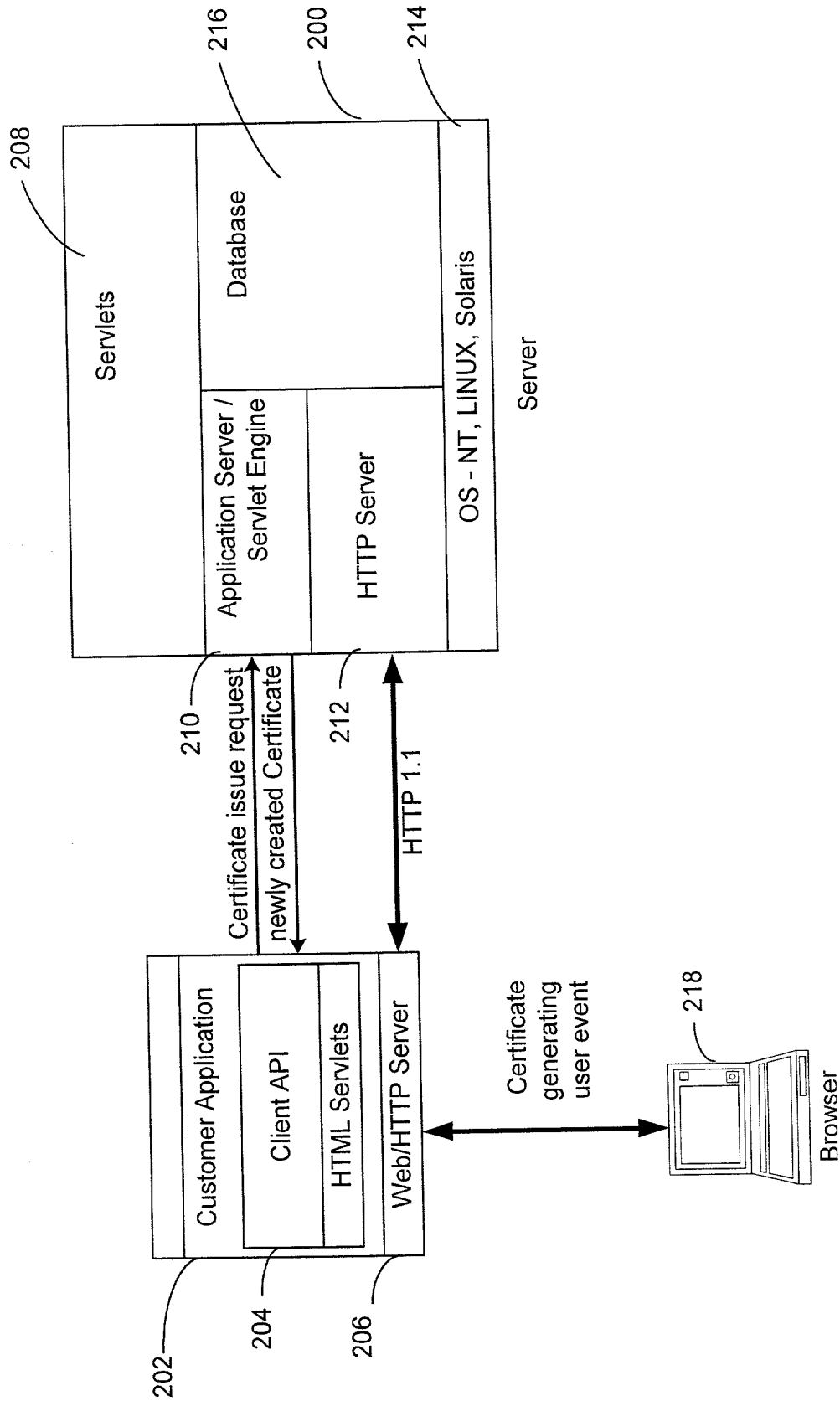
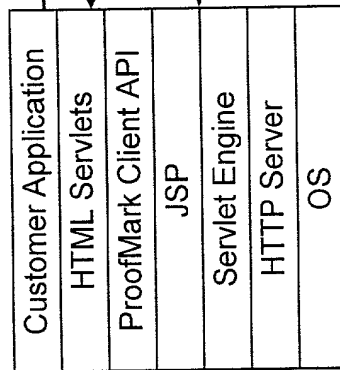


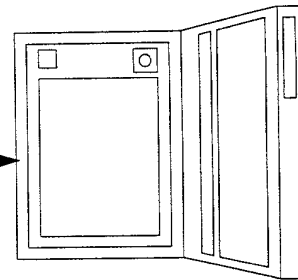
FIG. 2

FIG. 3

ProofMark Client



ProofMark
generating
user event

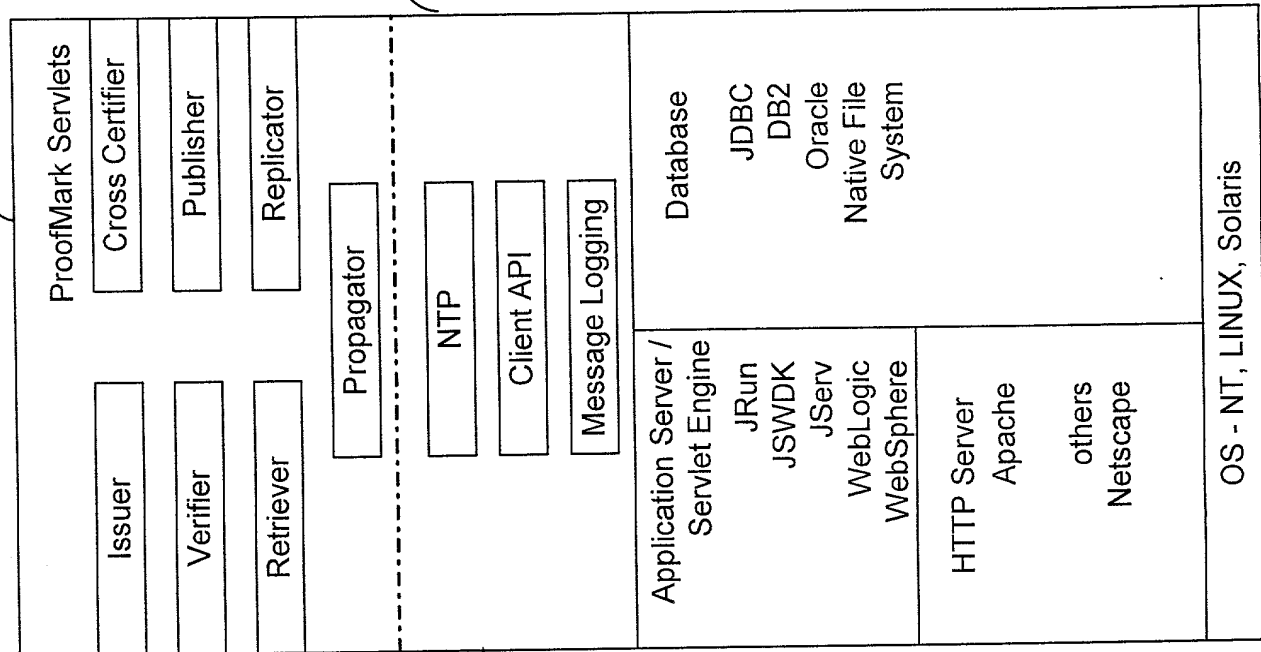


Browser

ProofMark issue request
newly created ProofMark

HTTP 1.1

300



ProofMark Server

302

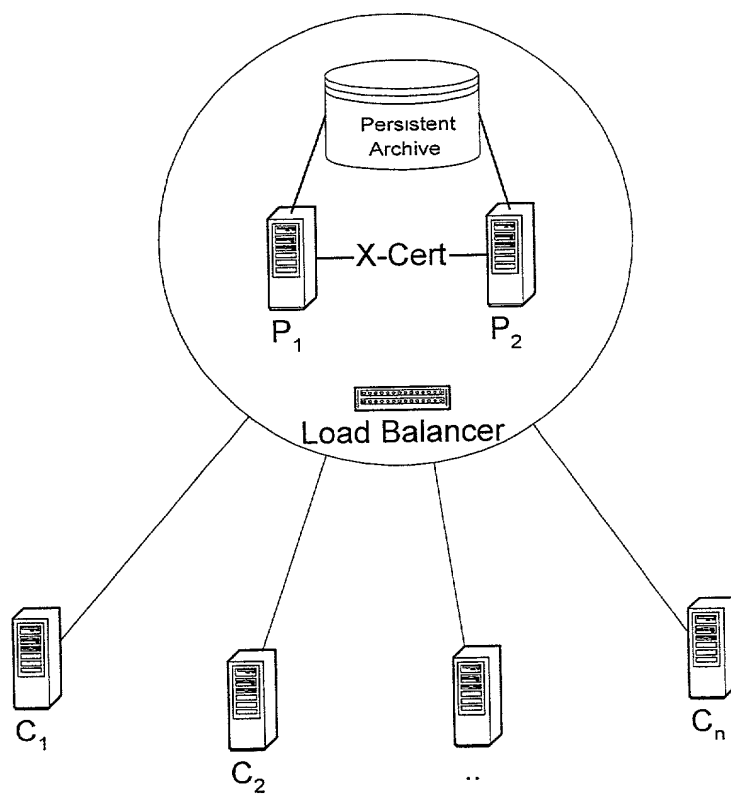


FIG. 4

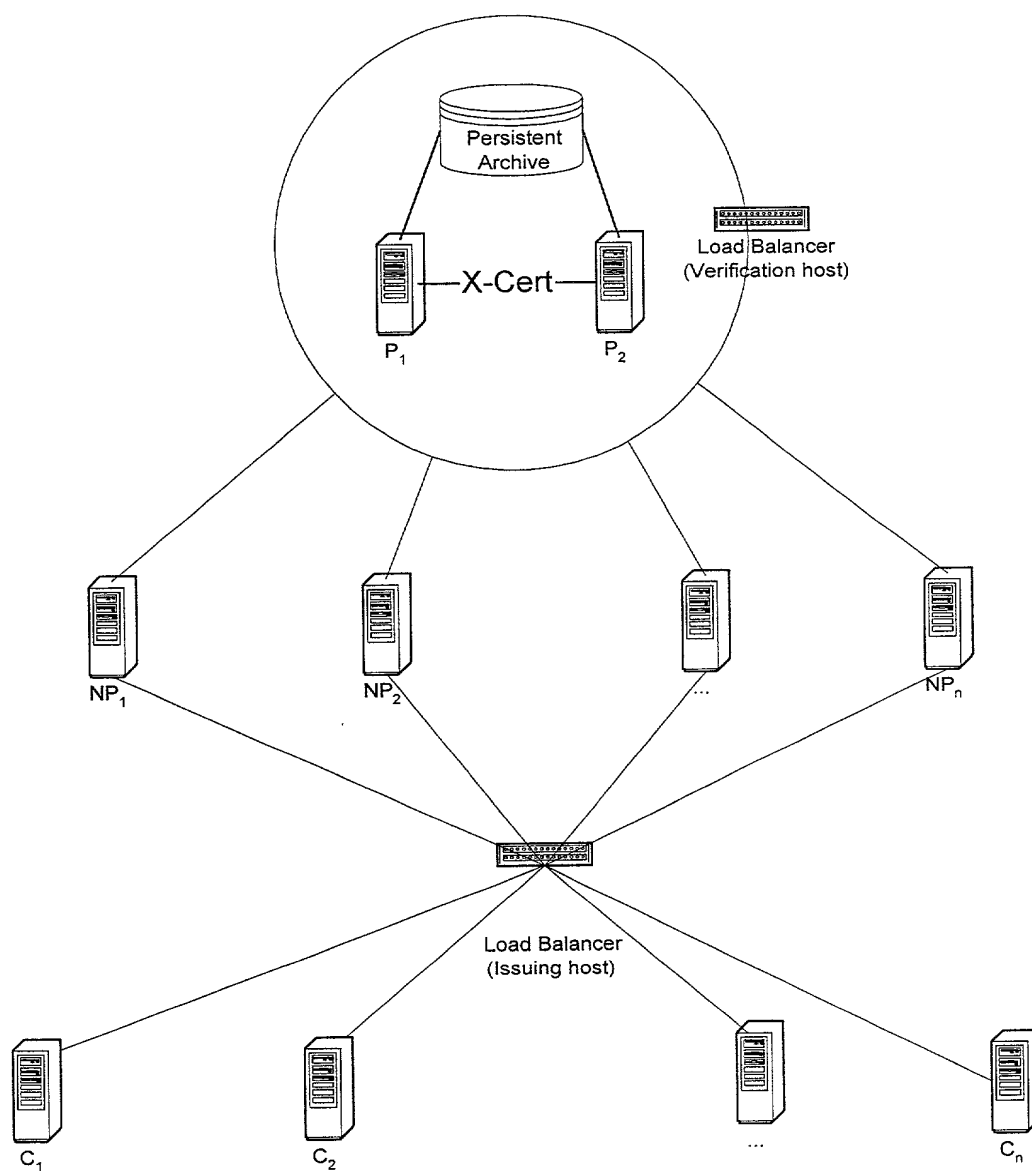


FIG. 5

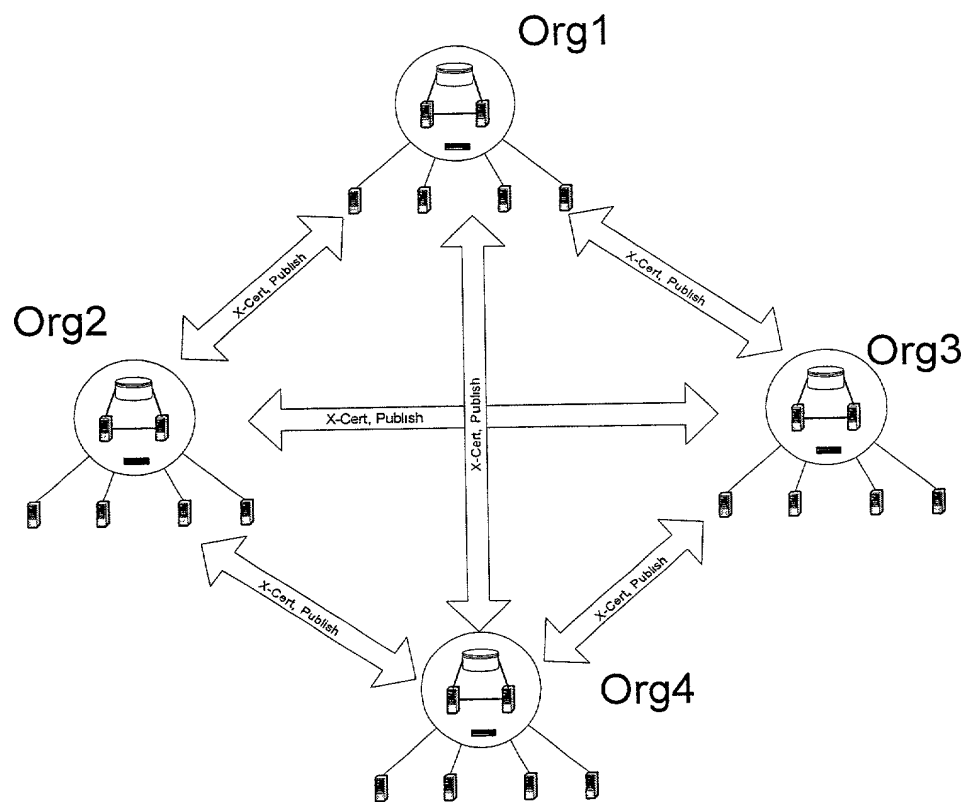


FIG. 6

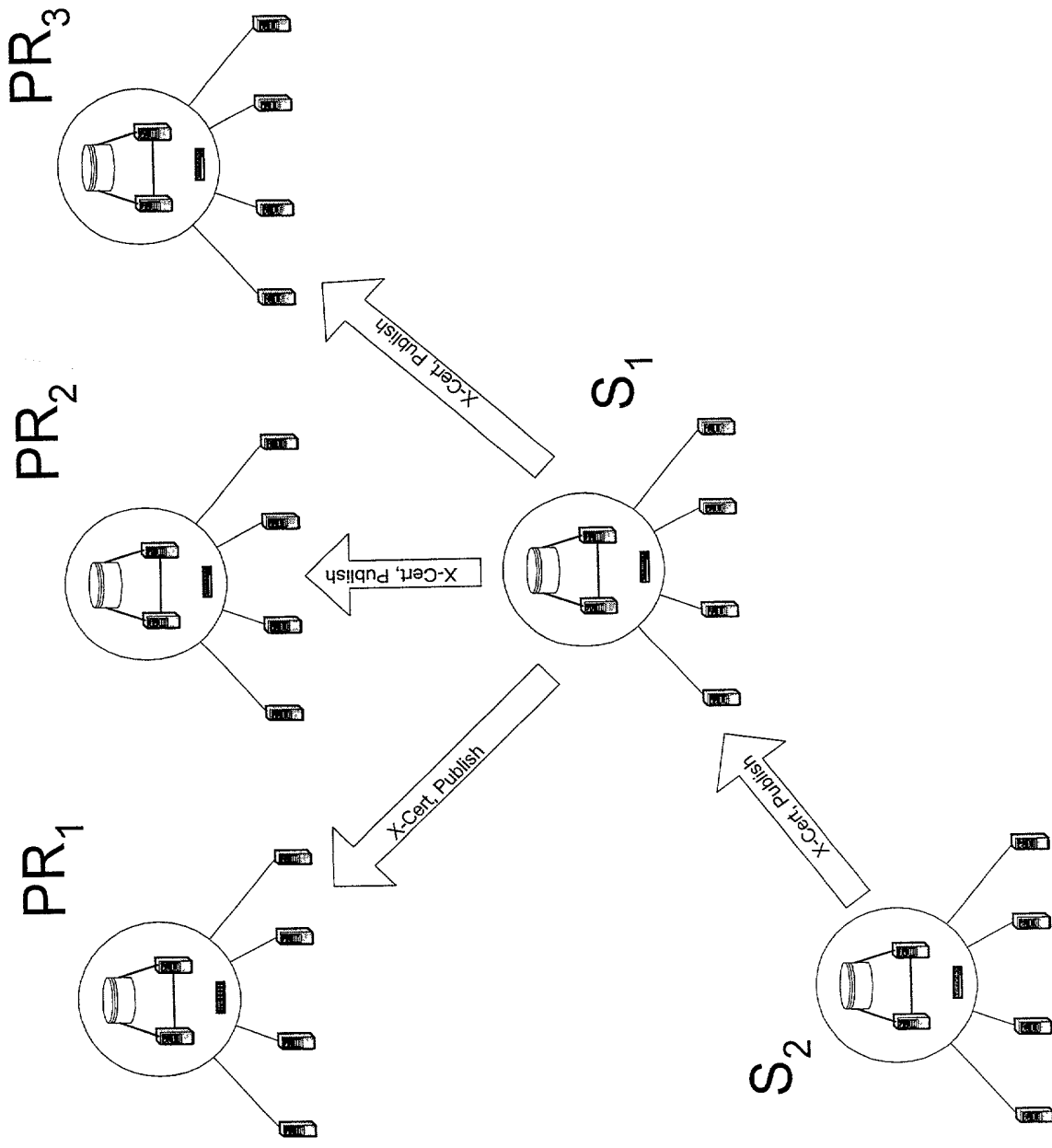


FIG. 7

800

CERTIFICATE	
A. INTERVAL	802
B. REQUEST	814
C. TIMESTAMP TIME INTERVAL THAT THE CERTIFICATION WAS ISSUED IN CURRENT ACCURACY OF THE SERVER TIME SOURCE	804
D. SEQUENCE NUMBER WITHIN INTERVAL	806
E. DIGITAL DIGEST (HASH) OF A - D	809a
F. COPY OF MESSAGE DIGEST (HASH) FROM PREVIOUS CERTIFICATION	808
G. DIGITAL DIGEST OF THE HASHES FROM E AND F	809b
H. DATA	810
I. SIGNATURE	812

FIG. 8

900

DIGITAL SIGNATURE	
A. KNOWN DATA, SUCH AS ONE-WAY HASH OF DATA	902
B. KNOWN DATA ENCRYPTED BY THE PRIVATE KEY	904
C. THE PUBLIC KEY, IF NECESSARY	906

FIG. 9

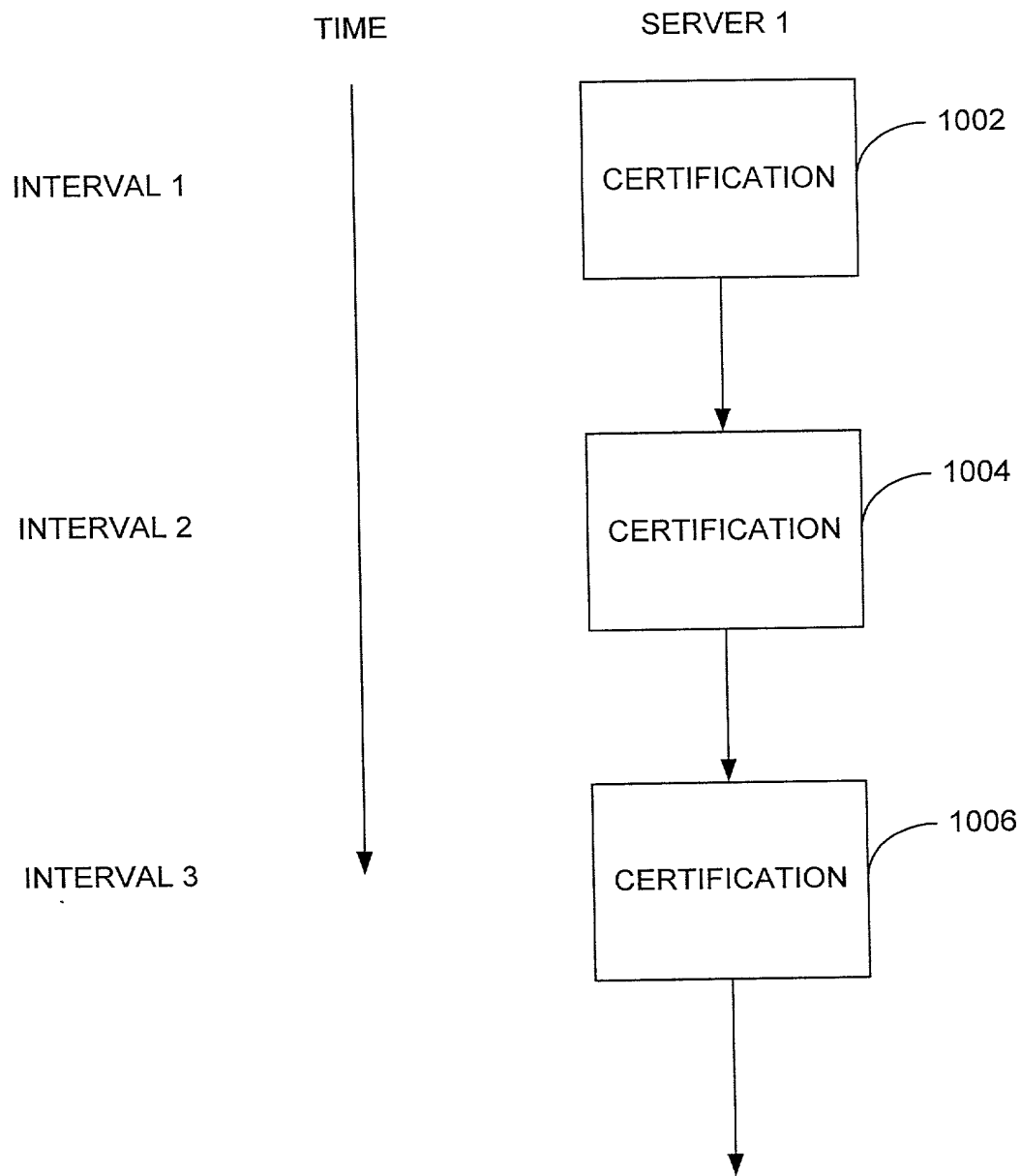


FIG. 10

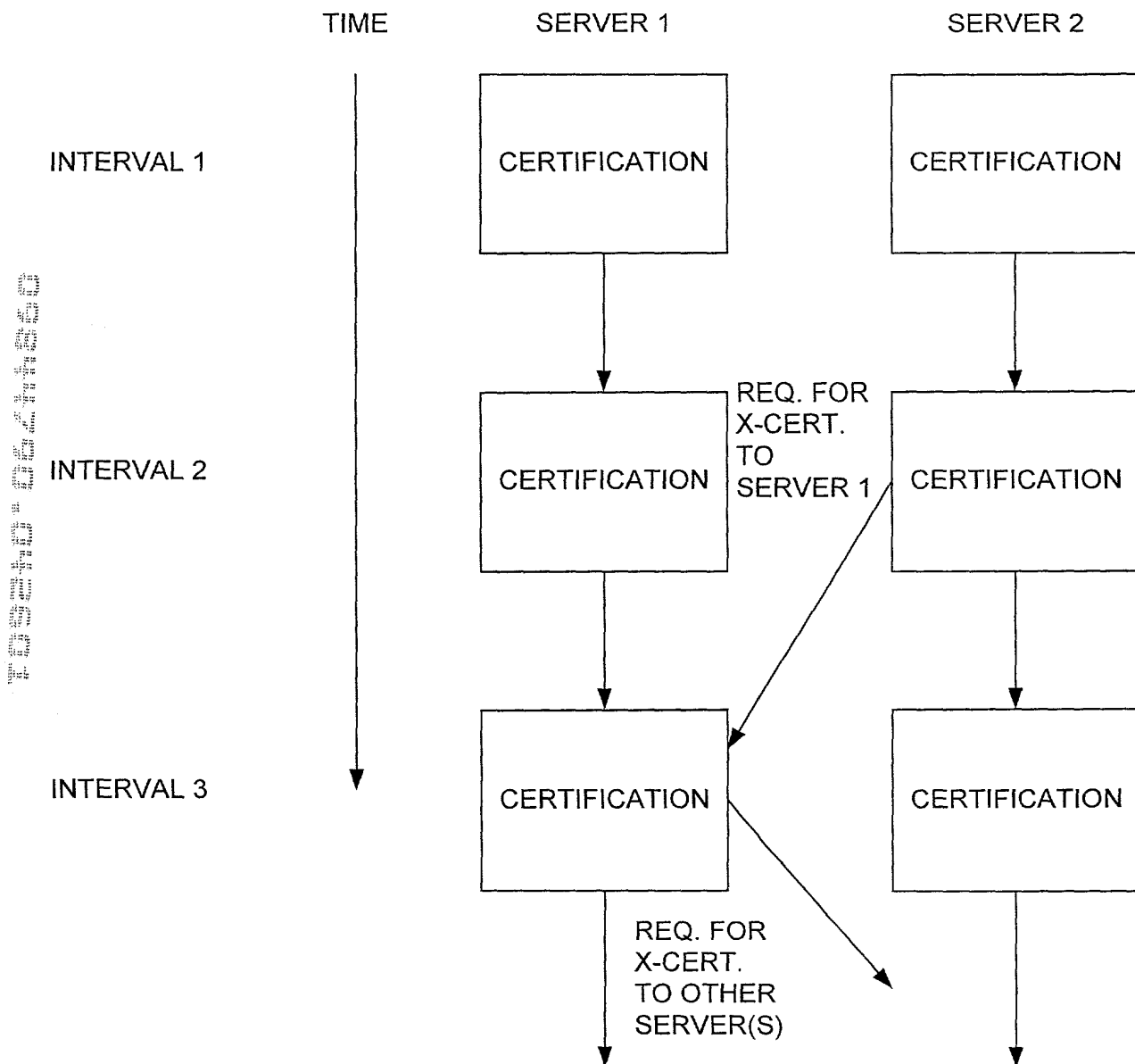


FIG. 11

1200

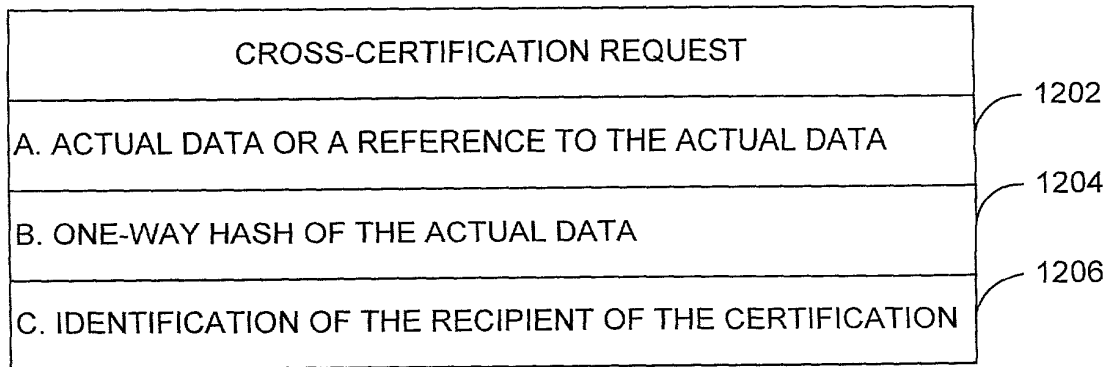


FIG. 12

1300

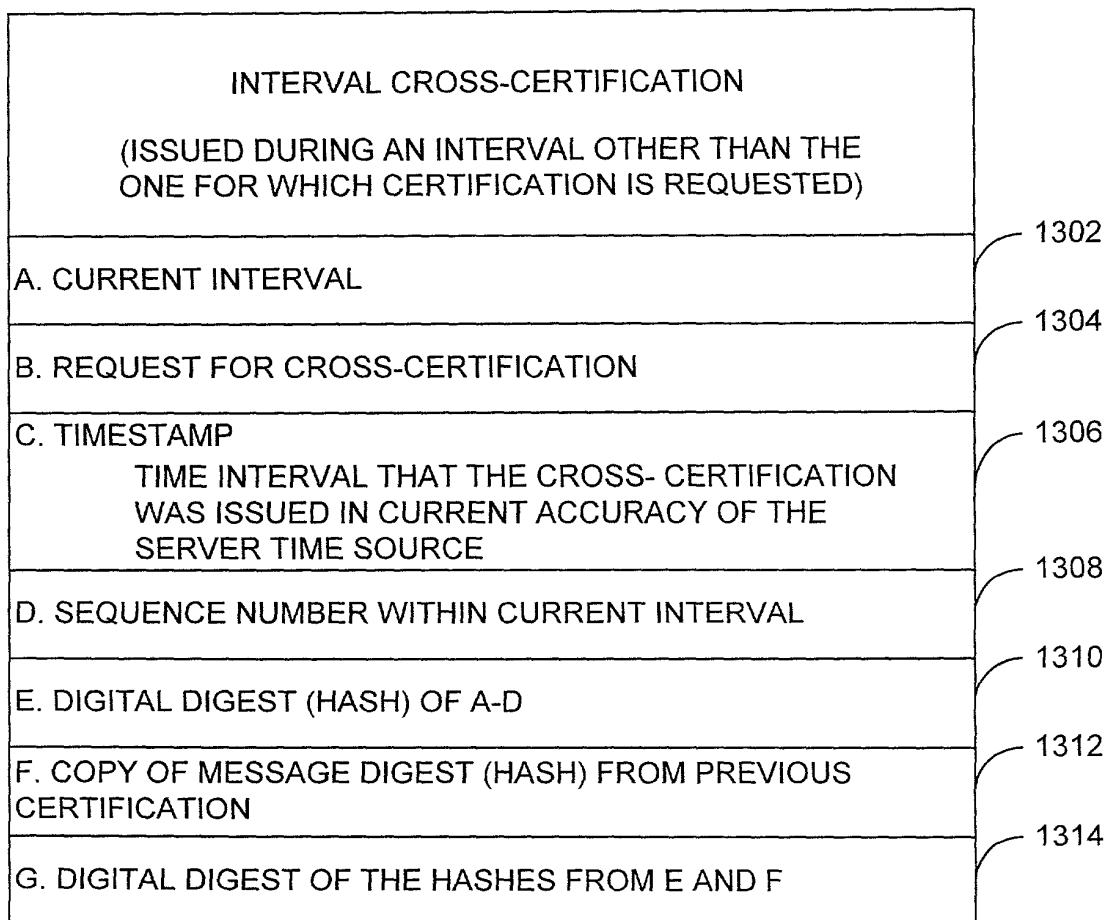


FIG. 13

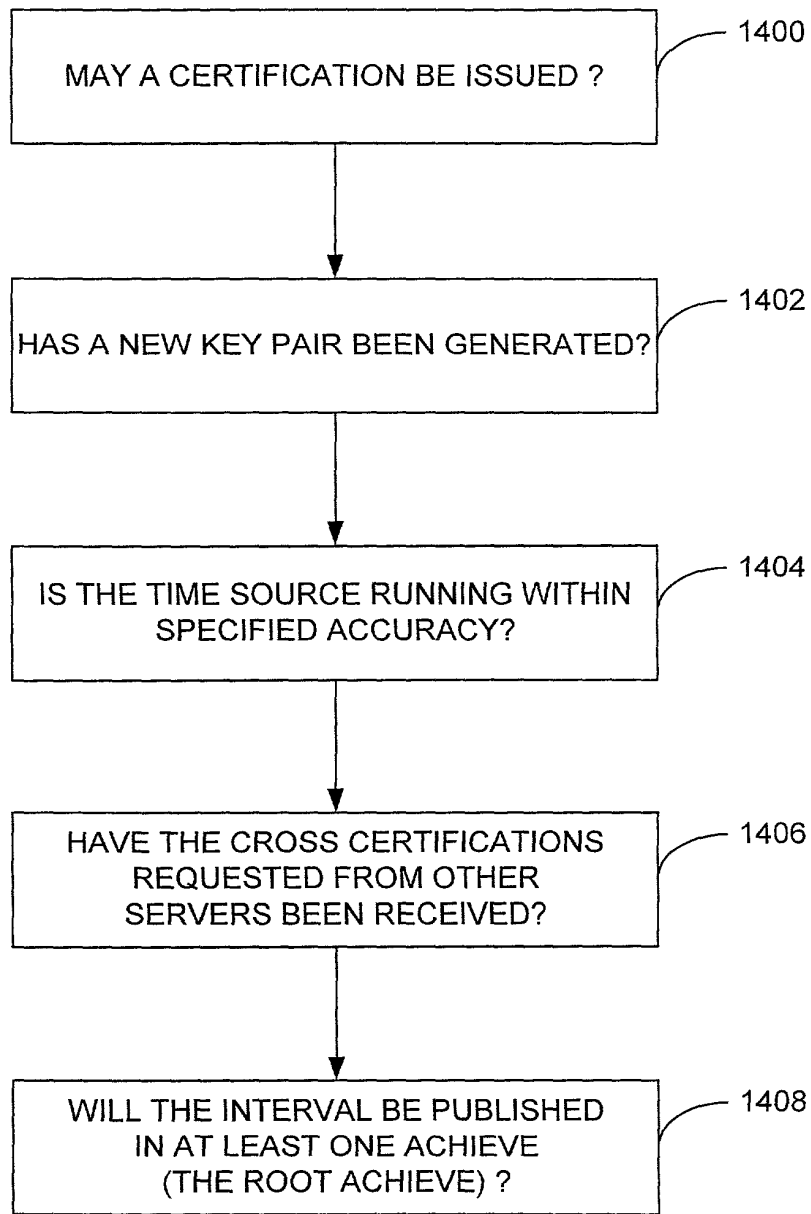


FIG. 14

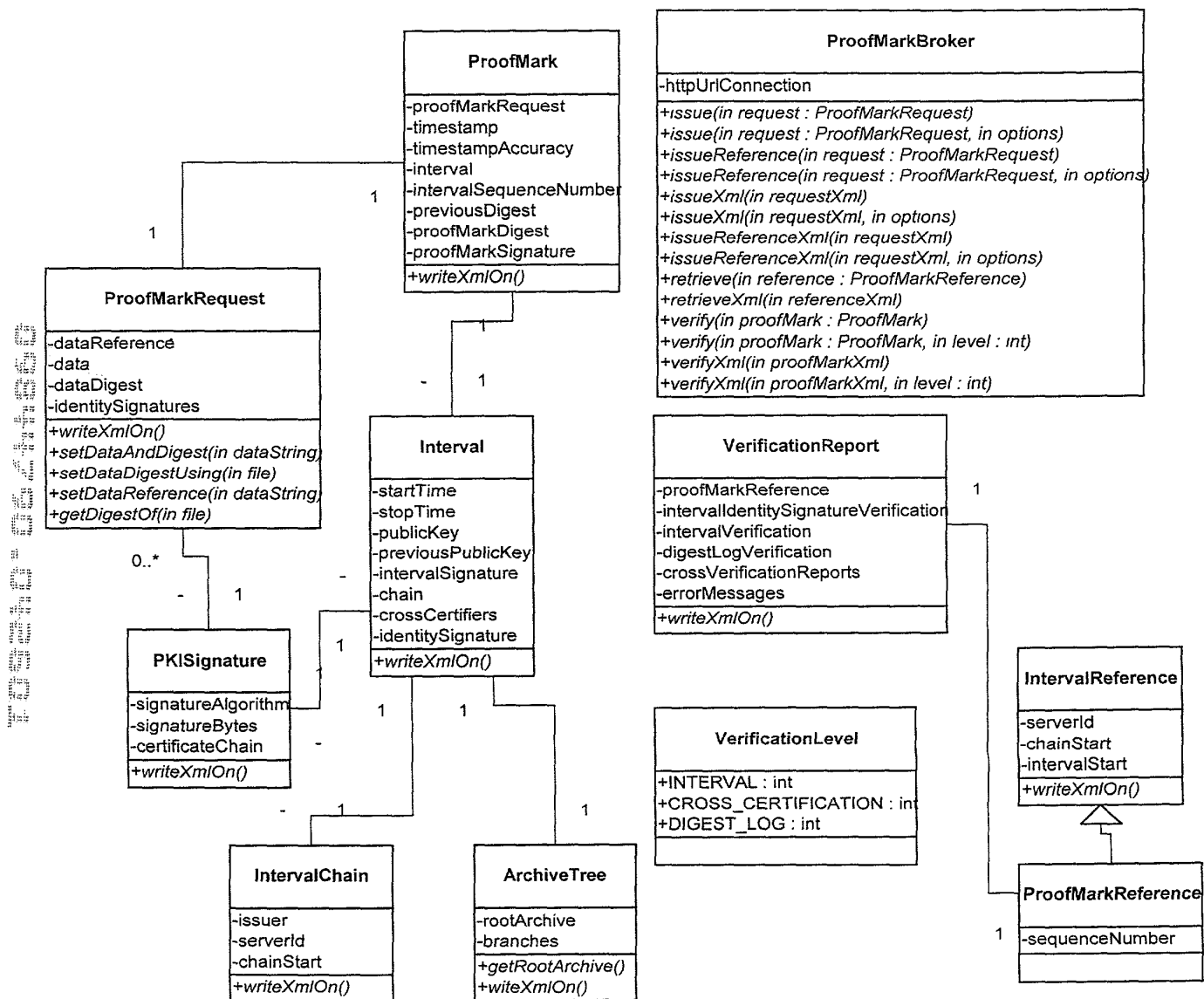


FIG. 15

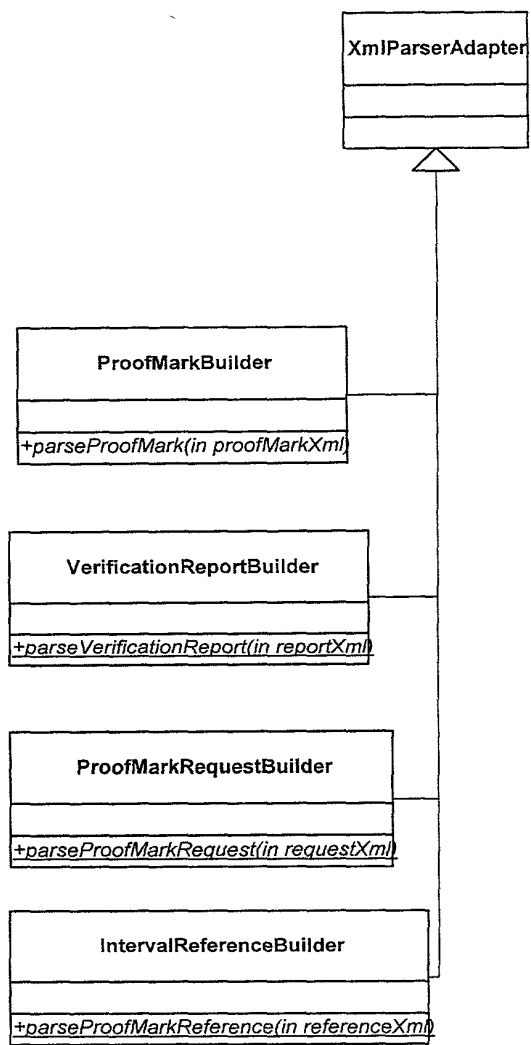


FIG. 16

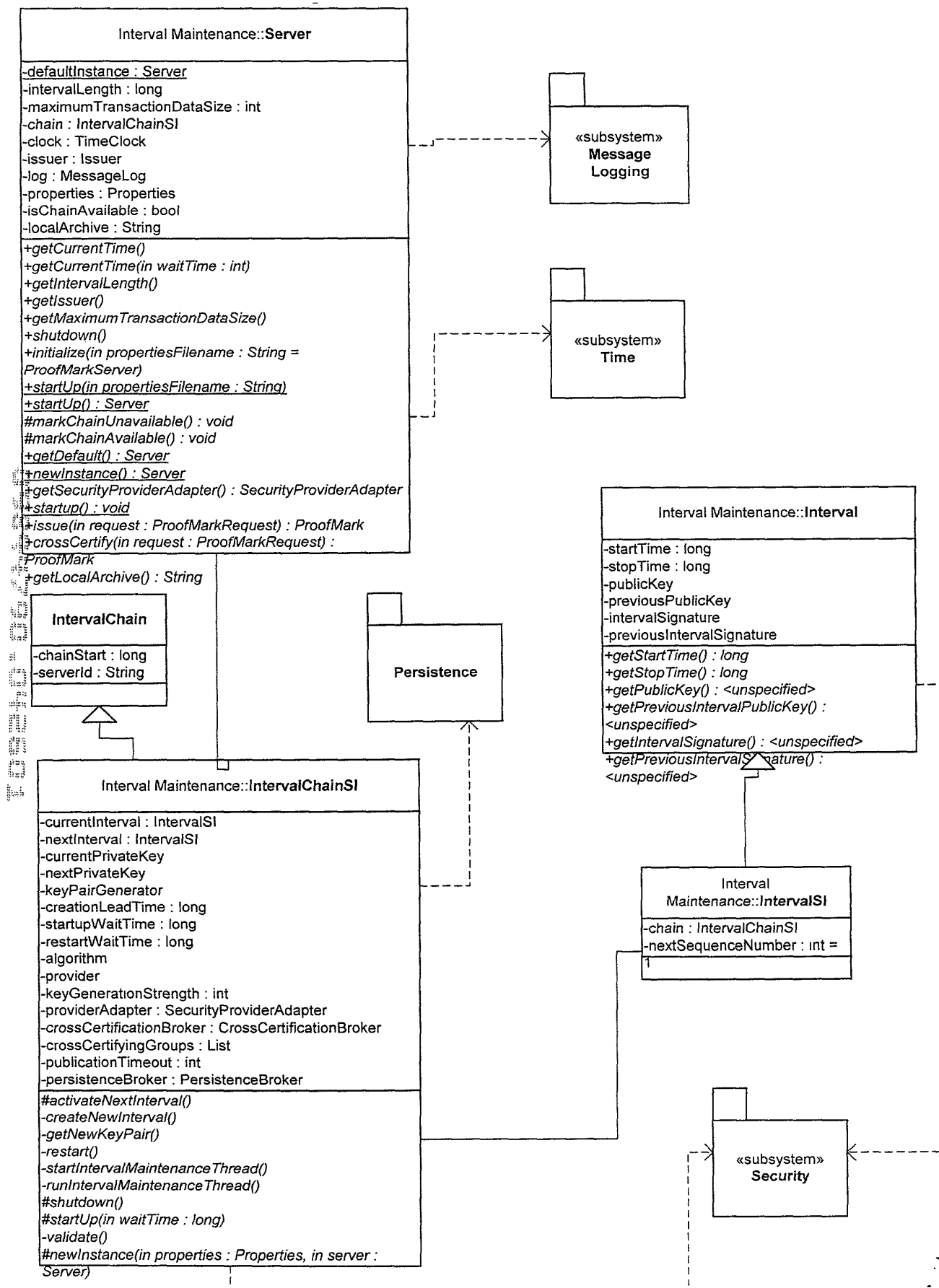


FIG. 17

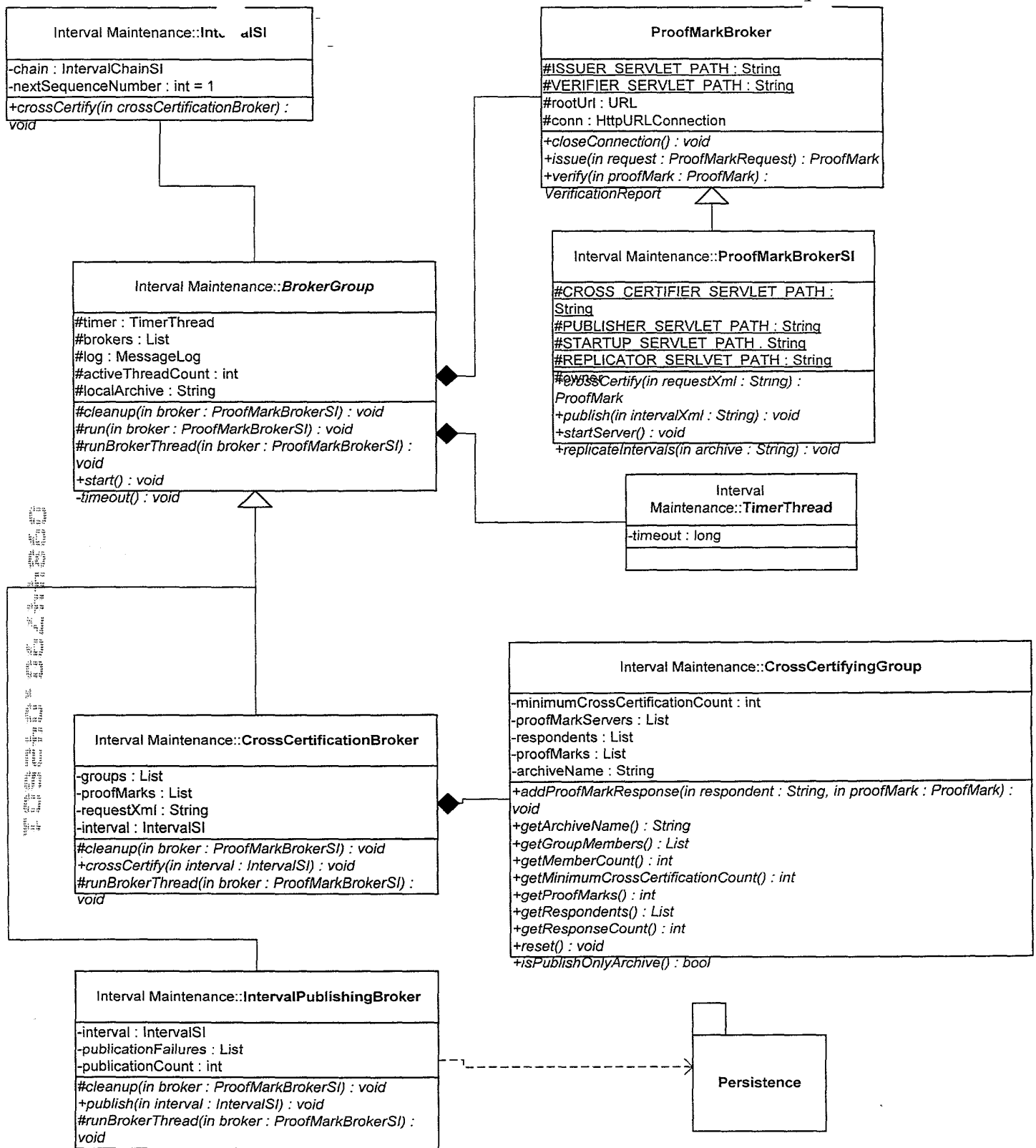


FIG. 18

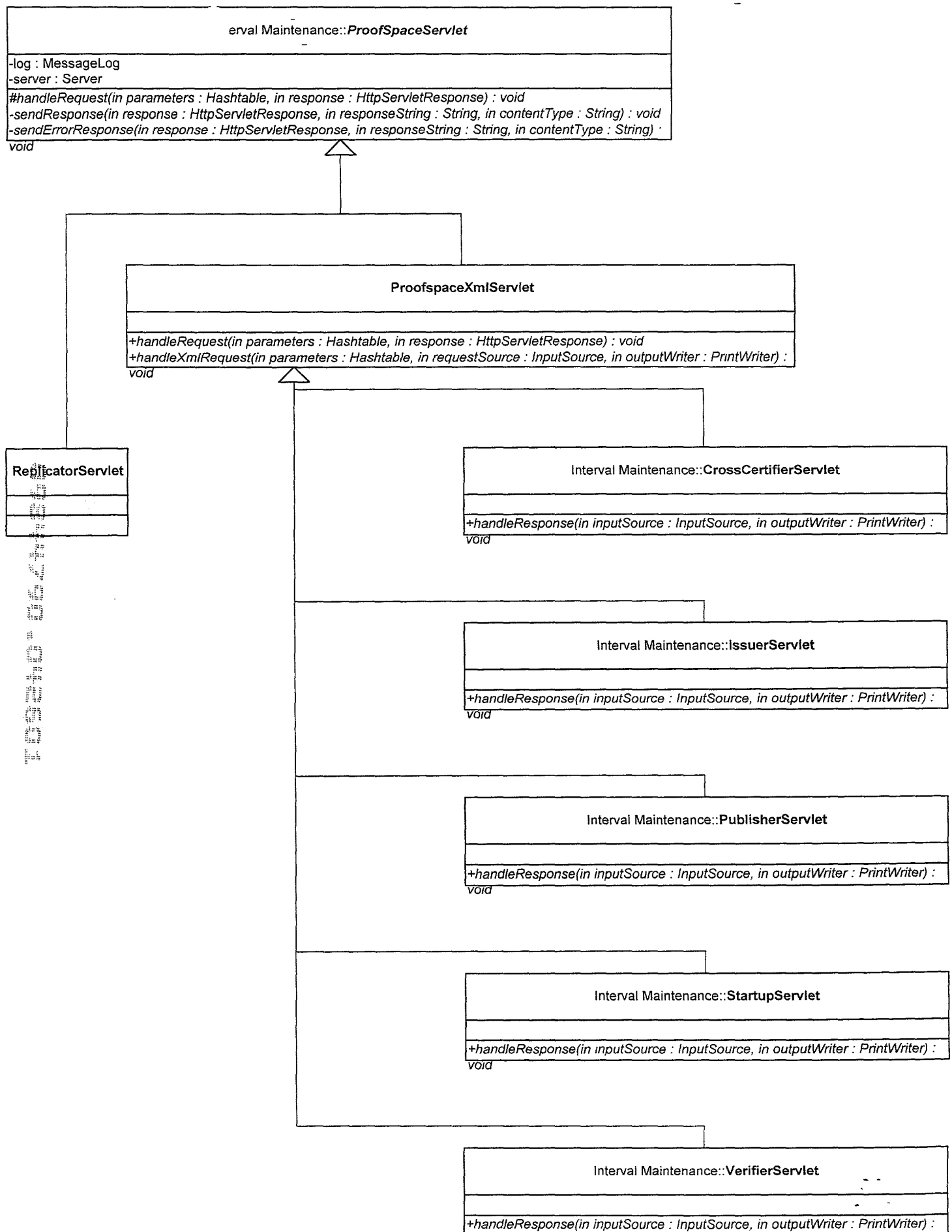


FIG. 19

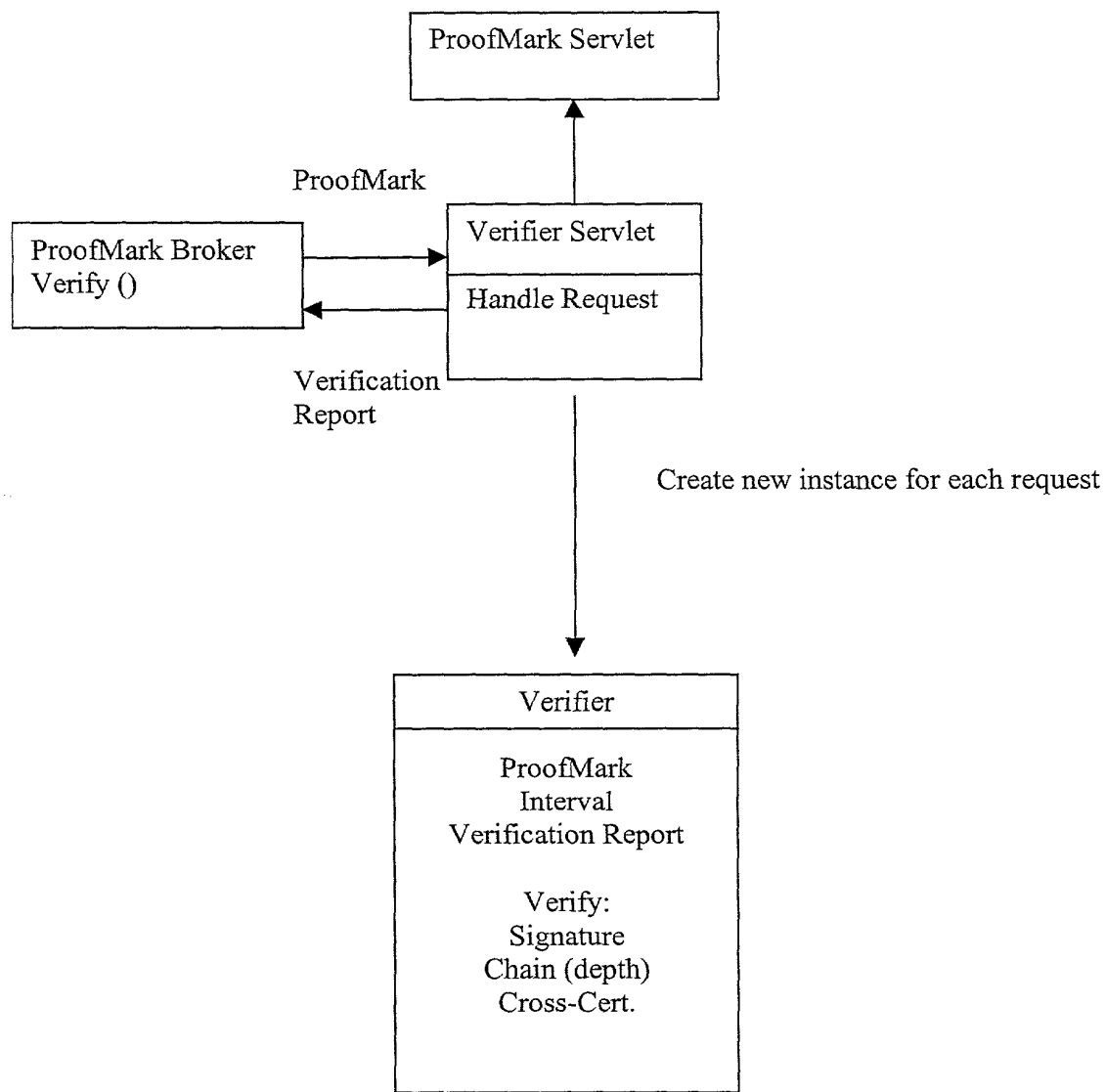


FIG. 20

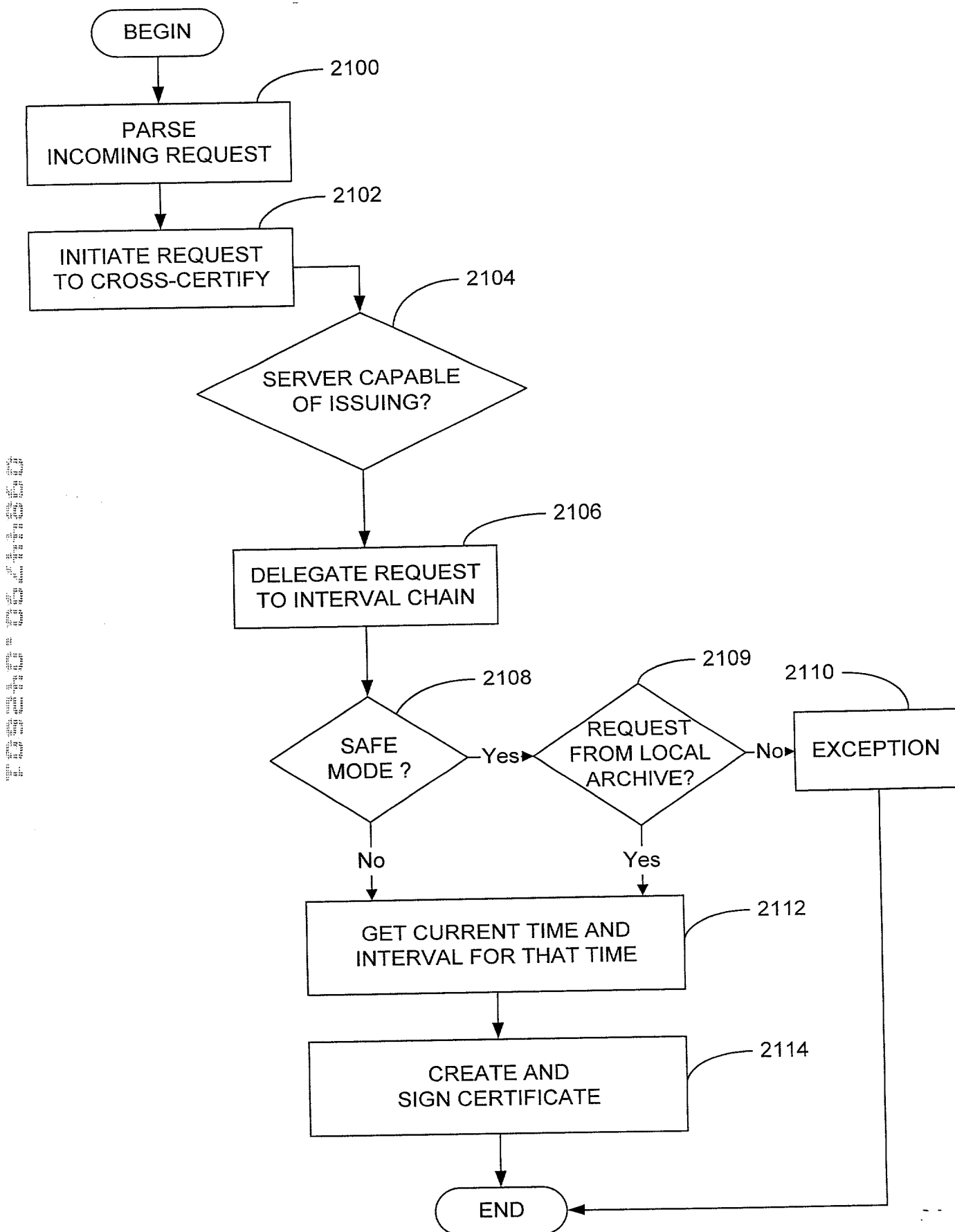


FIG. 21

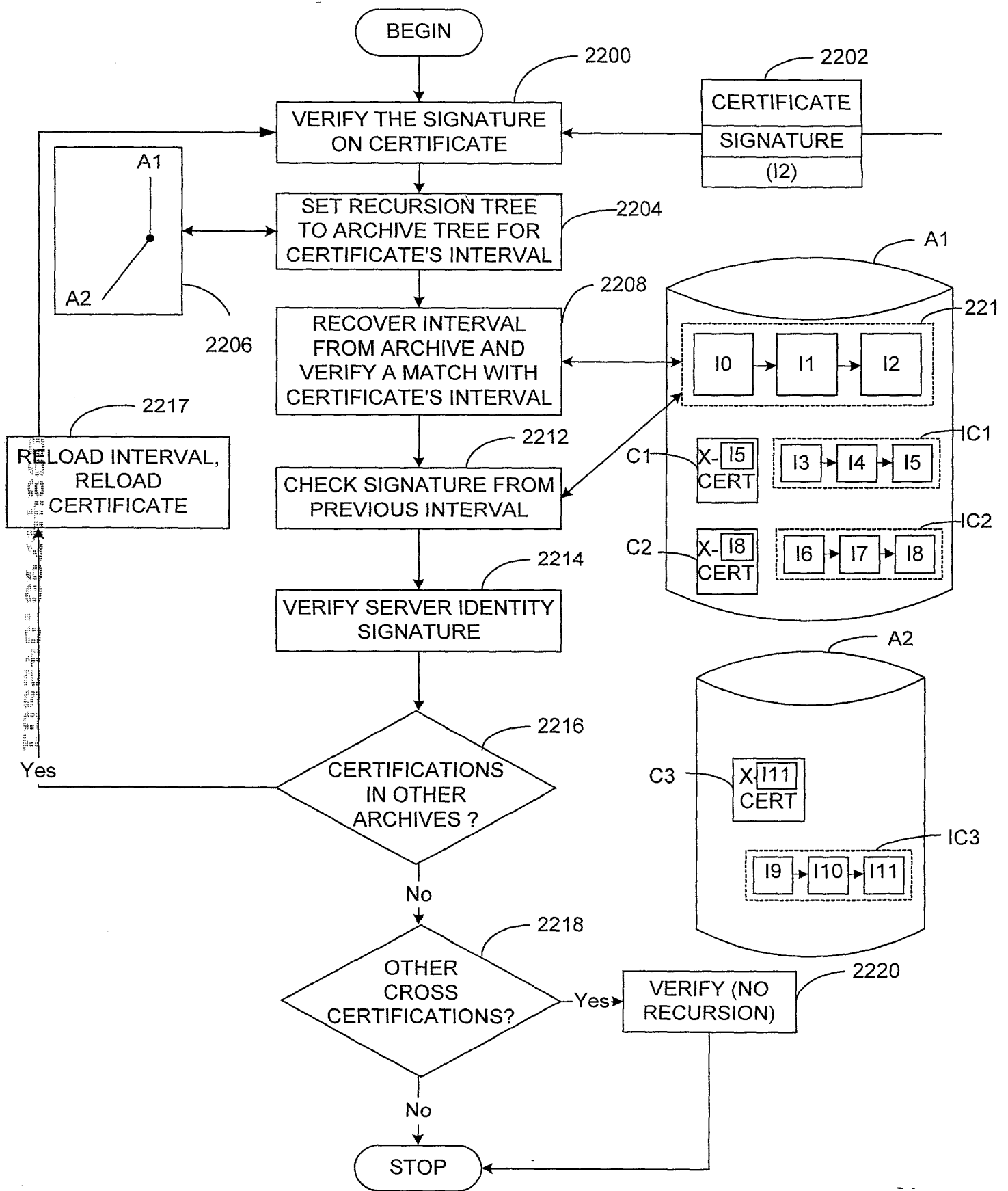


FIG. 22

xxxx yyyy zzzz
xxxx yyyy zzzz
aaa bbb
aaa bbb
ccc ddd
ccc ddd
eee fffff gggg
eee fffff gggg
hhh
hhh
iiiiiii
iiiiiii
kkk
kkk

FIG. 23

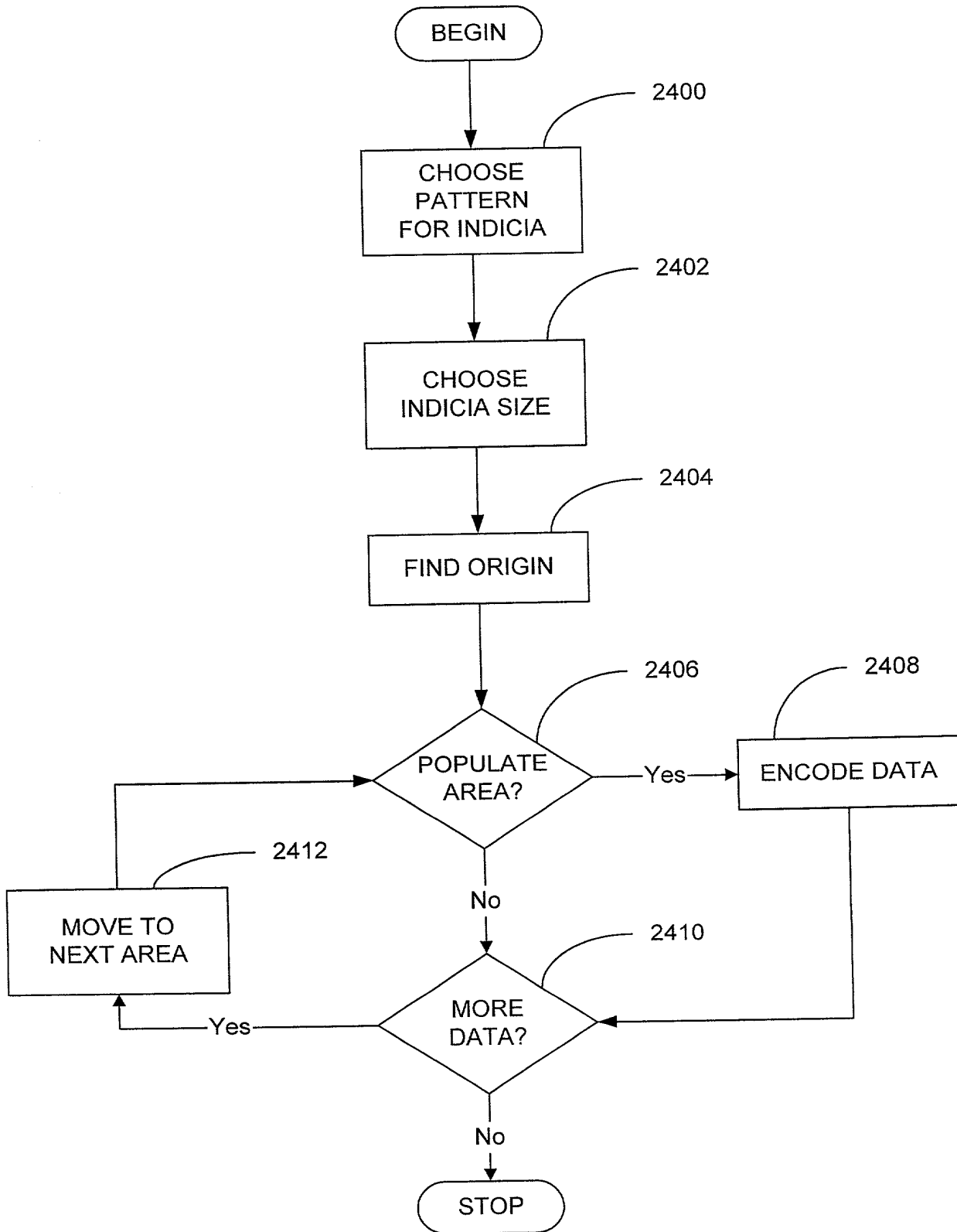


FIG. 24

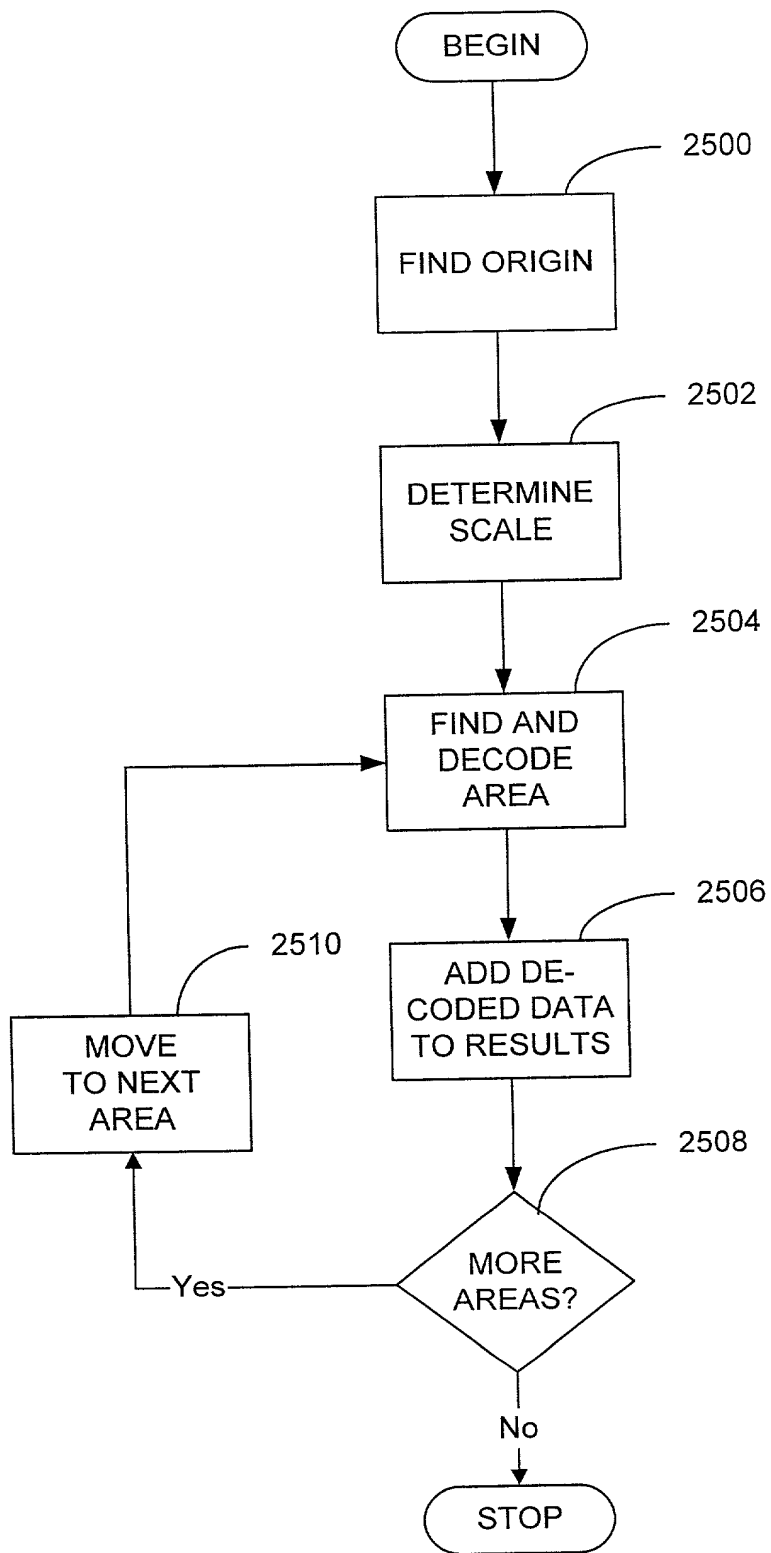


FIG. 25

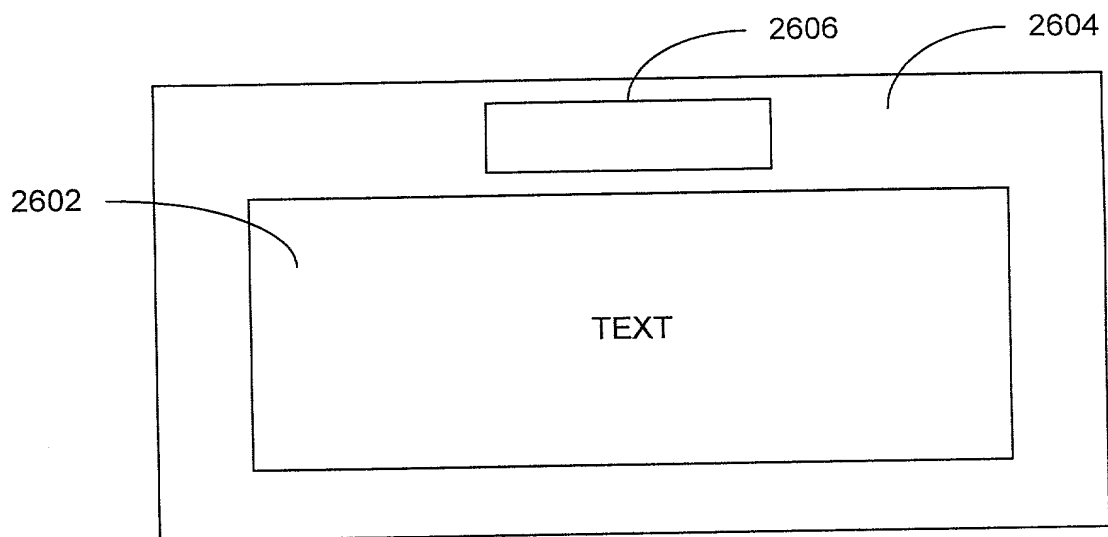


FIG. 26

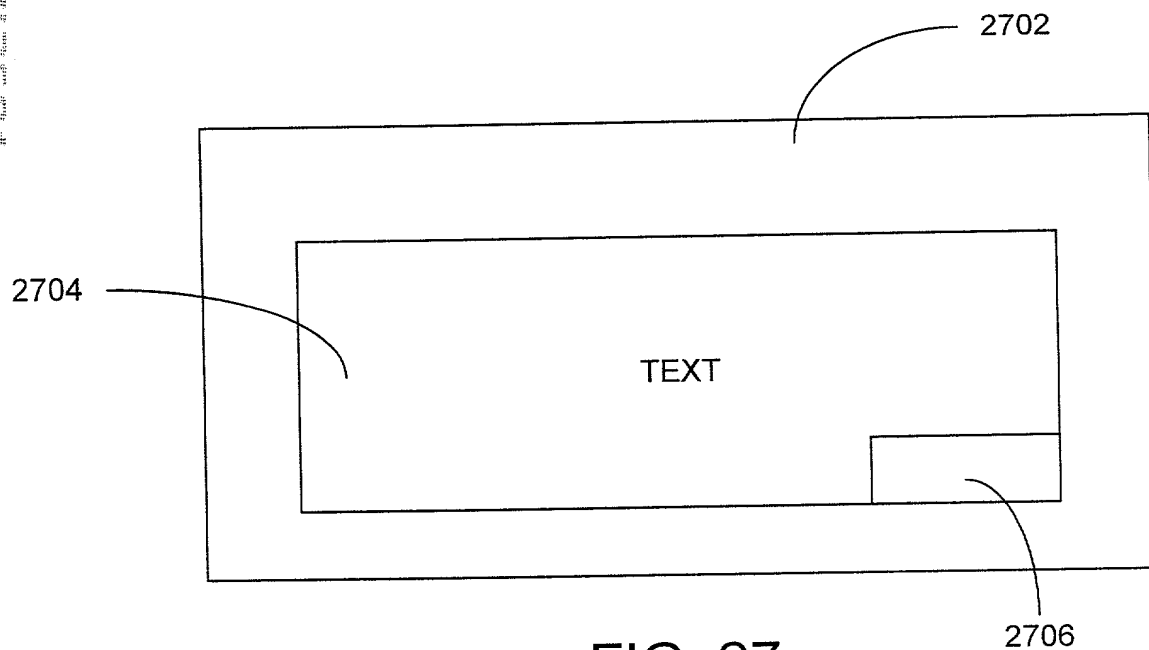


FIG. 27

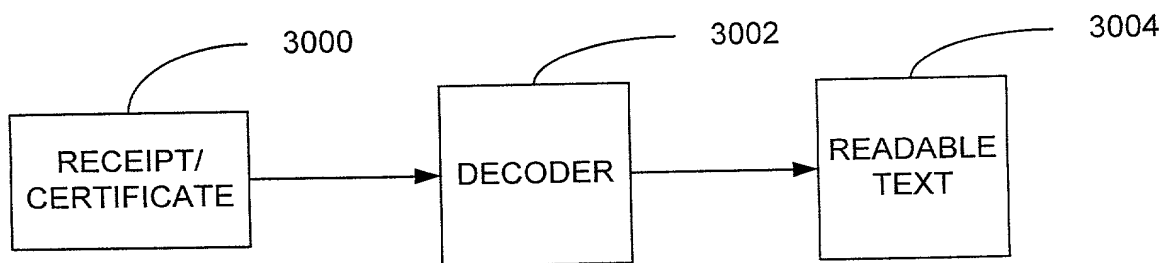
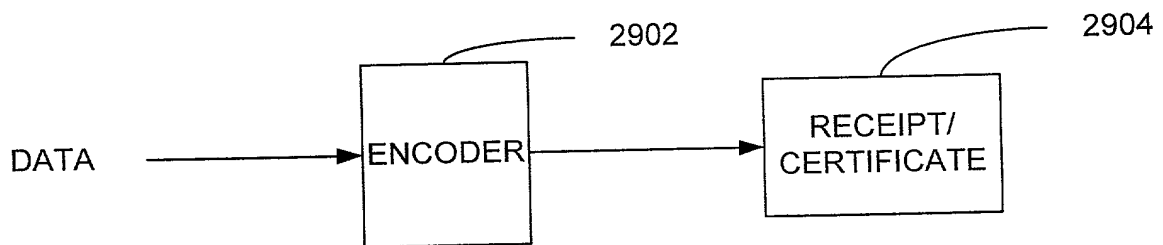
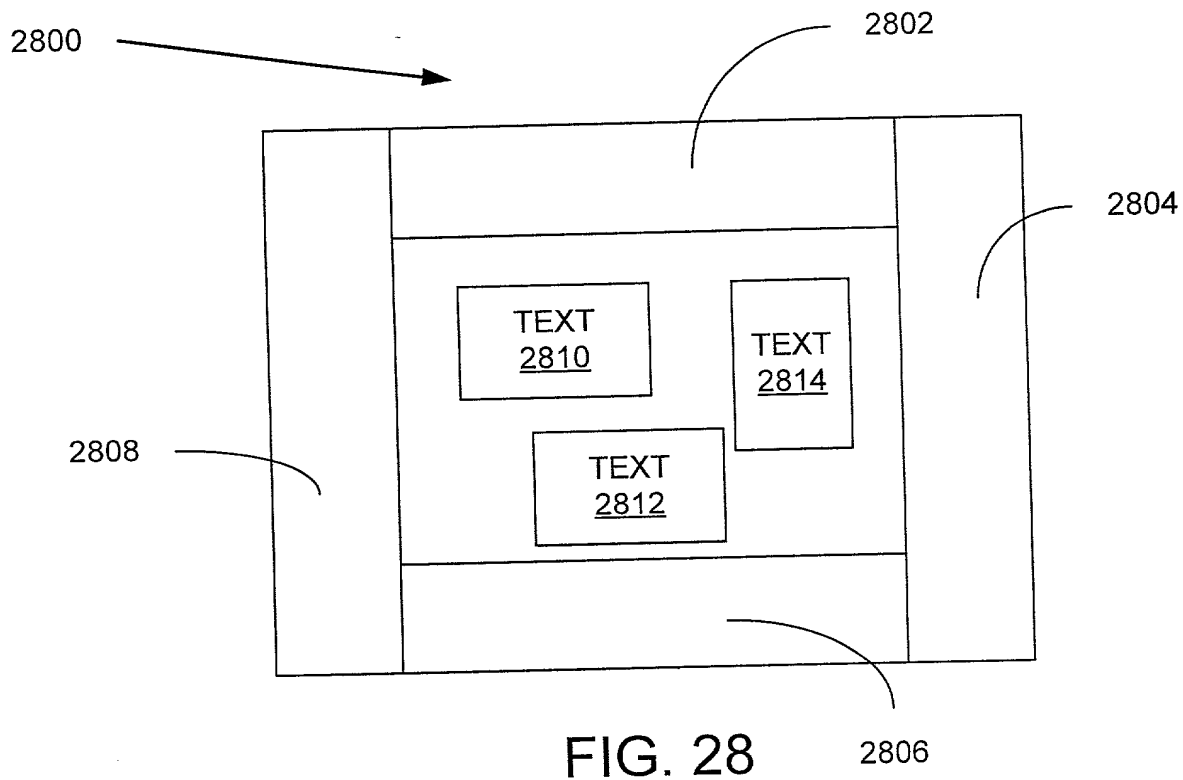


FIG. 30